

Conference/Workshop Abstract Approval

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Conference/Workshop: 2016 Workshop on Radiation Monitoring for the International Space Station (WRMISS)

Conference/Workshop Place and Time:

Place: Noordwijk, The Netherlands

Time: Sept 6-8, 2016

Author:

Cary Zeitlin on behalf of the ISS-RAD Science Team

Title:

First Results from the ISS-RAD Charged Particle Detector

Abstract:

The Charged Particle Detector (CPD) subsystem of the ISS-RAD detector has been making measurements of high-energy charged and neutral particles since the unit was deployed on Feb. 1, 2016. The CPD is nearly identical to the MSL-RAD instrument, but onboard data processing has been significantly modified to meet ISS requirements. We will present dose rates and LET spectra obtained over the first six months of operations, as well as preliminary results obtained from the limited sample of pulse-height analyzed raw data that has been telemetered to Earth.